

Fig. 1

10	20	30	40	50	60
ATG GCC GCA GAG GCG ACG TTG GGT CCG AAC GTG AGC TGG TGG GCT CCG TCC AAC GCT TCG					
Met Ala Ala Glu Ala Thr Leu Gly Pro Asn Val Ser Trp Trp Ala Pro Ser Asn Ala Ser					
70	80	90	100	110	120
GGA TGC CCG GGC TGC GGT GTC AAT GCC TCG GAT GGC CCA GGC TCC GCG CCA AGG CCC CTG					
Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Gly Pro Gly Ser Ala Pro Arg Pro Leu					
130	140	150	160	170	180
GAT GCC TGG CTG GTG CCC CTG TTT TTC GCT GCC CTA ATG TTG CTG GGG CTA GTC GGG AAC					
Asp Ala Trp Leu Val Pro Leu Phe Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn					
190	200	210	220	230	240
TCA CTG GTC ATC TTC GTT ATC TGC CGC CAC AAG CAC ATG CAG ACC GTC ACC AAT TTC TAC					
Ser Leu Val Ile Phe Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr					
250	260	270	280	290	300
ATC GCT AAC CTG GCG GCC ACA GAT GTC ACT TTC CTT CTG TGC TGC GTA CCC TTC ACC GCG					
Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val Pro Phe Thr Ala					
310	320	330	340	350	360
CTC CTC TAT CCG CTG CCC ACC TGG GTG CTG GGA GAC TTC ATG TGC AAA TTC GTC AAC TAC					
Leu Leu Tyr Pro Leu Pro Thr Trp Val Leu Gly Asp Phe Met Cys Lys Phe Val Asn Tyr					
370	380	390	400	410	420
ATC CAG CAG GTC TCG GTG CAA GCC ACA TGT GCC ACT TTG ACA GCC ATG AGT GTG GAC CGC					
Ile Gln Gln Val Ser Val Gln Ala Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg					

## Fig. 2

430	440	450	460	470	480
TGG TAC GTG ACT GTG TTC CCG CTG CGT GCA CTT CAC CGC CGC ACT CCG CGC CTG GCC CTG					
Trp Tyr Val Thr Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu					
490	500	510	520	530	540
ACT GTC AGC CTT AGC ATC TGG GTG GGT TCC GCA GCT GTT TCC GCC CCG GTG CTG GCT CTG					
Thr Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro Val Leu Ala Leu					
550	560	570	580	590	600
CAC CGC CTG TCG CCC GGG CCT CAC ACC TAC TGC AGT GAG GCG TTT CCC AGC CGT GCC CTG					
His Arg Leu Ser Pro Gly Pro His Thr Tyr Cys Ser Glu Ala Phe Pro Ser Arg Ala Leu					
610	620	630	640	650	660
GAG CGC GCT TTC GCG CTC TAC AAC CTG CTG GCC CTA TAC CTG CTG CCG CTG CTC GCC ACC					
Glu Arg Ala Phe Ala Leu Tyr Asn Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr					
670	680	690	700	710	720
TGC GCC TGC TAC GGT GCC ATG CTG CGC CAC CTG GGC CGC GCC GCT GTA CGC CCC GCA CCC					
Cys Ala Cys Tyr Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro					
730	740	750	760	770	780
ACT GAT GGC GCC CTG CAG GGG CAG CTG CTA GCA CAG CGC GCT GGA GCA GTG CGC ACC AAG					
Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala Val Arg Thr Lys					
790	800	810	820	830	840
GTC TCC CGG CTG GTG GCC GCT GTC GTC CTG CTC TTC GCC GCC TGC TGG GGC CCG ATC CAG					
Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe Ala Ala Cys Trp Gly Pro Ile Gln					
850	860	870	880	890	900
CTG TTC CTG GTG CTT CAA GCC CTG GGC CCC TCG GGG GCC TGG CAC CCT CGA AGC TAT GCC					
Leu Phe Leu Val Leu Gln Ala Leu Gly Pro Ser Gly Ala Trp His Pro Arg Ser Tyr Ala					

## Fig. 3

910	920	930	940	950	960
GCC TAC GCG CTC AAG ATC TGG GCT CAC TGC ATG TCC TAC AGC AAT TCT GCG CTC AAC CCG					
Ala Tyr Ala Leu Lys Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro					
970	980	990	1000	1010	1020
CTG CTC TAT GCC TTC CTG GGT TCC CAC TTC AGA CAG GCC TTC TGC CGC GTG TGC CCC TGC					
Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Cys Arg Val Cys Pro Cys					
1030	1040	1050	1060	1070	1080
GGC CCG CAA CGC CAG CGT CGG CCC CAC GCG TCA GCG CAC TCG GAC CGA GCC GCA CCC CAT					
Gly Pro Gln Arg Gln Arg Arg Pro His Ala Ser Ala His Ser Asp Arg Ala Ala Pro His					
1090	1100	1110	1120	1130	1140
AGT GTG CCG CAC AGC CGG GCT GCG CAC CCT GTC CGG GTC AGG ACC CCC GAG CCT GGG AAC					
Ser Val Pro His Ser Arg Ala Ala His Pro Val Arg Val Arg Thr Pro Glu Pro Gly Asn					
1150	1160	1170	1180	1190	1200
CCT GTG GTG CGC TCG CCC TCT GTT CAG GAT GAA CAC ACT GCC CCA CTC TGA					
Pro Val Val Arg Ser Pro Ser Val Gln Asp Glu His Thr Ala Pro Leu ***					

Fig. 4

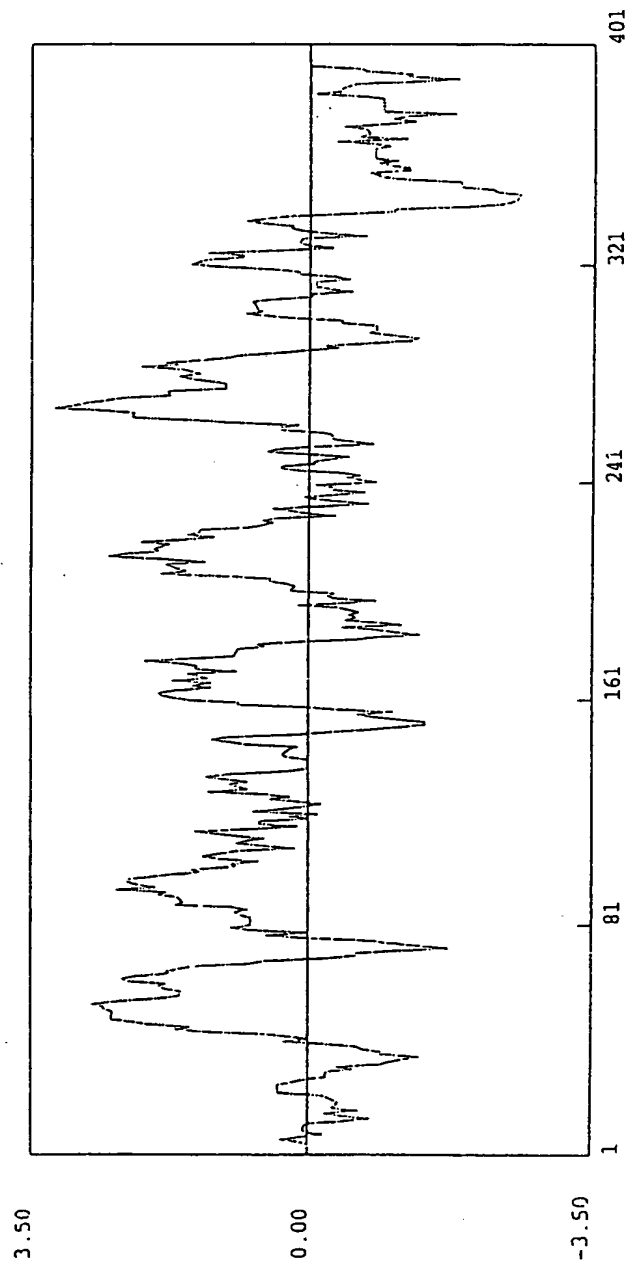


Fig. 5

10	20	30	40	50	60
ATGCACACCG	TGGCTACGTC	CGGACCCAAC	GCGTCCTGGG	GGGCACCGGC	CAACGCCTCC
METHisThrV	alAlaThrSe	rGlyProAsn	AlaSerTrpG	lyAlaProAl	aAsnAlaSer
70	80	90	100	110	120
GGCTGCCCCG	GCTGTGGCGC	CAACGCCTCG	GACGGCCCAG	TCCCTTCGCC	GCGGGCCGTG
GlyCysProG	lyCysGlyAl	aAsnAlaSer	AspGlyProV	alProSerPr	oArgAlaVal
130	140	150	160	170	180
GACGCCTGGC	TCGTGCCGCT	CTTCTTCGCG	GCGCTGATGC	TGCTGGGCCT	GGTGGGGAAC
AspAlaTrpL	euValProLe	uPhePheAla	AlaLeuMETL	euLeuGlyLe	uValGlyAsn
190	200	210	220	230	240
TCGCTGGTCA	TCTACGTCAT	CTGCCGCCAC	AAGCCGATGC	GGACCGTGAC	CAACTTCTAC
SerLeuValI	leTyrValII	eCysArgHis	LysProMETA	rgThrValTh	rAsnPheTyr
250	260	270	280	290	300
ATCGCCAACC	TGGCGGCCAC	GGACGTGACC	TTCCTCCTGT	GCTGCGTCCC	CTTCACGGCC
IleAlaAsnL	euAlaAlaTh	rAspValThr	PheLeuLeuC	ysCysValPr	oPheThrAla
310	320	330	340	350	360
CTGCTGTACC	CGCTGCCCCG	CTGGGTGCTG	GGCGACTTCA	TGTGCAAGTT	CGTCAACTAC
LeuLeuTyrP	roLeuProGl	yTrpValLeu	GlyAspPheM	ETCysLysPh	eValAsnTyr
370	380	390	400	410	420
ATCCAGCAGG	TCTCGGTGCA	GGCCACGTGT	GCCACTCTGA	CCGCCATGAG	TGTGGACCGC
IleGlnGlnV	alSerValGl	nAlaThrCys	AlaThrLeuT	hrAlaMETSe	rValAspArg

## Fig. 6

430            440            450            460            470            480  
 TGGTACGTGA CCGTGTTCCC GTTGCGCGCC CTGCACCGCC GCACGCCCCG CCTGGCGCTG  
 TrpTyrValT hrValPhePr oLeuArgAla LeuHisArgA rgThrProAr gLeuAlaLeu

490            500            510            520            530            540  
 GCTGTCAGCC TCAGCATCTG GGTAGGCTCT GCGGCGGTGT CTGCGCCGGT GCTCGCCCTG  
 AlaValSerL euSerIleTr pValGlySer AlaAlaValS erAlaProVa lLeuAlaLeu

550            560            570            580            590            600  
 CACCGCCTGT CACCCGGGCC GCGCGCCTAC TGCAGTGAGG CCTTCCCCAG CCGCGCCCTG  
 HisArgLeuS erProGlyPr oArgAlaTyr CysSerGluA laPheProSe rArgAlaLeu

610            620            630            640            650            660  
 GAGCGCGCCT TCGCACTGTA CAACCTGCTG GCGCTGTACC TGCTGCCGCT GCTCGCCACC  
 GluArgAlaP heAlaLeuTy rAsnLeuLeu AlaLeuTyrL euLeuProLe uLeuAlaThr

670            680            690            700            710            720  
 TGCGCCTGCT ATGCGGCCAT GCTGCGCCAC CTGGGCCGGG TCGCCGTGCG CCCC GCGCCC  
 CysAlaCysT yrAlaAlaME TLeuArgHis LeuGlyArgV alAlaValAr gProAlaPro

730            740            750            760            770            780  
 GCCGATAGCG CCCTGCAGGG GCAGGTGCTG GCAGAGCGCG CAGGCGCCGT GCGGGCCAAG  
 AlaAspSerA laLeuGlnGl yGlnValLeu AlaGluArgA laGlyAlaVa lArgAlaLys

Fig. 7

790	800	810	820	830	840
GTCTCGCGGC	TGGTGGCGGC	CGTGGTCCTG	CTCTTCGCCG	CCTGCTGGGG	CCCCATCCAG
ValSerArgL	euValAlaAl	aValValLeu	LeuPheAlaA	laCysTrpGl	yProIleGln
850	860	870	880	890	900
CTGTTCTTGG	TGCTGCAGGC	GCTGGGCCCC	GCGGGCTCCT	GGCACCCACG	CAGCTACGCC
LeuPheLeuV	alLeuGlnAl	aLeuGlyPro	AlaGlySerT	rpHisProAr	gSerTyrAla
910	920	930	940	950	960
GCCTACGCGC	TTAAGACCTG	GGCTCACTGC	ATGTCCTACA	GCAACTCCGC	GCTGAACCCG
AlaTyrAlaL	euLysThrTr	pAlaHisCys	METSerTyrS	erAsnSerAl	aLeuAsnPro
970	980	990	1000	1010	1020
CTGCTCTACG	CCTTCCTGGG	CTCGCACTTC	CGACAGGCCT	TCCGCCGCGT	CTGCCCCTGC
LeuLeuTyrA	laPheLeuGl	ySerHisPhe	ArgGlnAlaP	heArgArgVa	lCysProCys
1030	1040	1050	1060	1070	1080
GCGCCGCGCC	GCCCCGCGCG	CCCCCGCCGG	CCCGGACCCT	CGGACCCCGC	AGCCCCACAC
AlaProArgA	rgProArgAr	gProArgArg	ProGlyProS	erAspProAl	aAlaProHis
1090	1100	1110	1120	1130	1140
GCGGAGCTGC	ACCGCCTGGG	GTCCCACCCG	GCCCCCGCCA	GGGCGCAGAA	GCCAGGGAGC
AlaGluLeuH	isArgLeuGl	ySerHisPro	AlaProAlaA	rgAlaGlnLy	sProGlySer
1150	1160	1170	1180	1190	1200
AGTGGGCTGG	CCGCGCGCGG	GCTGTGCGTC	CTGGGGGAGG	ACAACGCCCC	TCTCTGA
SerGlyLeuA	laAlaArgGl	yLeuCysVal	LeuGlyGluA	spAsnAlaPr	oLeu***

Fig. 8

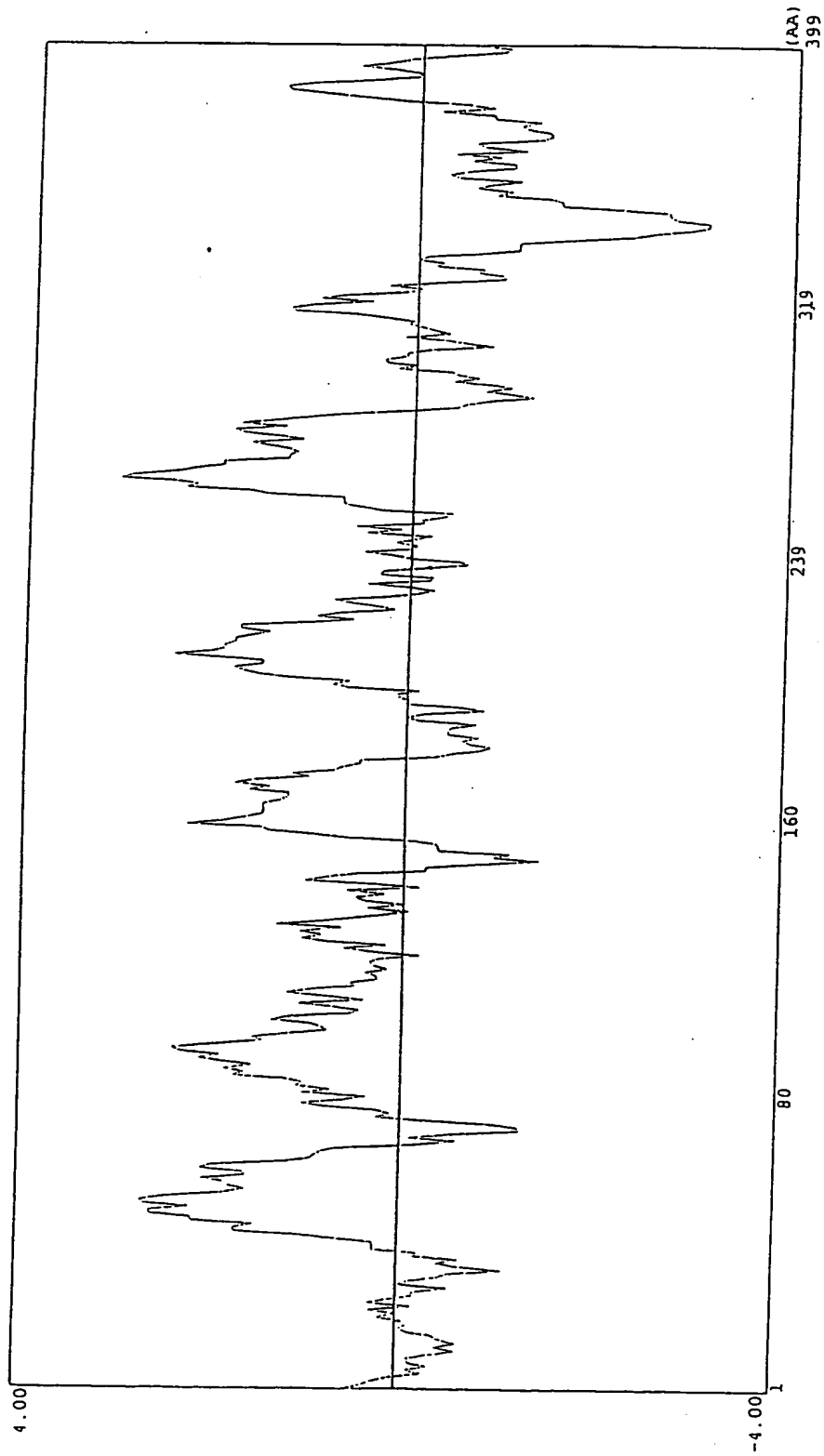




Fig. 9

